

Applications:

- Chemical and petrochemical industries
- Machinery, plant and tank measurement
- Oil and gas industries
- Power and utilities
- Pulp and paper

Special features:

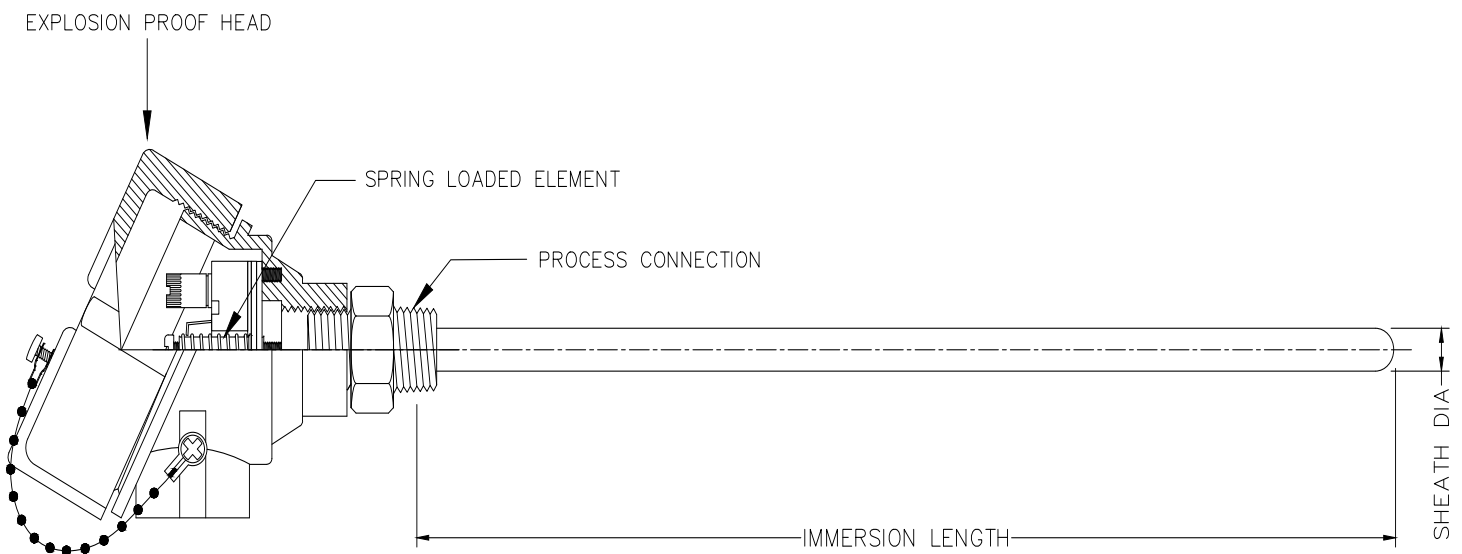
- Sensor ranges from -200 ... +1,260 °C [-328 ... +2,300 °F]
- For mounting in all standard thermowell designs
- Spring-loaded measuring insert (replaceable)
- Explosion-protected versions
- Fixed fitting (welded) measuring insert

Description:

Thermocouples in this series can be combined with a large number of thermowell designs. Use without a thermowell is permitted when using a fixed (welded) fitting.

A wide variety of possible combinations of sensor, connection head, insertion length, neck length, connection to thermowell etc. are available for the thermometers; suitable for almost any thermowell dimension.

Dimensions:



Please consult factory for full specification/ Data sheet.

Ordering Information for Sheathed Thermocouple Sensor(AM-TE02 Series)

Model	Product Description		
AM-TE02	Sheathed Thermocouple Sensor		
Code(1)	Connection Head type		Explosion Proof
1	Explosion Proof Aluminum Head	(Dual Conduits)	Eex d IIC T5
2	Explosion Proof Aluminum Head	(Single Conduits)	Eex d IIB+H2 T6
3	General Aluminum Head	(Single Conduits)	None(IP65)
4	General Stainless Steel Head	(Single Conduits)	None(IP65)
5	Sensor only with 150mm long TEFLON insulated lead wires		N/A
Code(2)	Element Type	Thermocouple Wire Alloys	Tempearture Range
B	Thermocouple "B"	Pt Rh30 / Pt Rh6	200 ~ 1700°C
R	Thermocouple "R"	Pt Rh13 / Pt	0 ~ 1600°C
S	Thermocouple "S"	Pt Rh10 / Pt	0 ~ 1600°C
K	Thermocouple "K"	Chromel / Alumel	-200 ~ 1200°C
E	Thermocouple "E"	Chromel / Constantan	-200 ~ 800°C
J	Thermocouple "J"	Iron / Constantan	0 ~ 750°C
T	Thermocouple "T"	Copper / Constantan	-200 ~ 350°C
X	Others		
Code(3)	Terminal		
S	Single junction	T Triple junction	
D	Dual junction		
Code(4)	No. of Conductor wire		
2	2-wire		
4	2-wire duplex		
6	2-wire triplex		
Code(5)	Sensor type		
GG	General purpose style & Grounded tip		
GU	General purpose style & Ungrounded tip		
SG	Spring Loaded style & Grounded tip		
SU	Spring Loaded style & Ungrounded tip		
ES	Exposed style	Length(mm)	
Code(6)	Extension Type		
00	None	None	
10	Fixed Thread	100	
11	Fixed Thread	150	
13	Fixed Thread	others	
19	Fixed Thread	100	
21	Nipple Thread	others	
29	Nipple Thread	150	
33	Nipple, Union & Nipple Thread	others	
39	Nipple, Union & Nipple Thread	100	
43	Nipple & Flange Welded	150	
44	Nipple & Flange Welded	others	
49	Nipple & Flange Welded	None	
50	Compression Fitting	None	
60	Movable Thread	None	

Please consult factory for full specification/ Data sheet.

61	Movable Flange	100
73	Tube welded Flange	None
74	None Metal Only Tube	100
75	None Metal Only Flange	100
76	Ring welded screwed	
99	Others	
Code(7)	Sheath Material	
A	304SS	
B	316SS	
C	INCONEL 600	
D	310SS	
E	446SS	
F	347SS	
G	321SS	
X	Others	
Code(8)	Sheath Outer Diameter	
31	1.6mm	XX Others
32	3.2mm	
34	4.8mm	
36	6.4mm	
38	8.0mm	
Code(9)	Conduit Connection	
A	1/2"PF	G M20x1.5
B	1/2"PT	
C	1/2"NPT	
D	3/4"PF	
E	3/4"PT	
F	3/4"NPT	
Code(10)	Process Connection Size	Material
Z	None	None
H3	1/2"	304 SS
H4	1"	304 SS
H5	1 1/2"	304 SS
H6	2"	304 SS
M3	1/2"	316 SS
M4	1"	316 SS
M5	1 1/2"	316 SS
M6	2"	316 SS
X	Others	
Code(11)	Connection Type	
0	None	
2	PT	
3	PF	
4	NPT	

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8	NPS
F01	ANSI 150# RF
F02	ANSI 150# FF
F03	ANSI 300# RF
F04	ANSI 300# FF
9	Compression fitting connector
F99	Others
Code(12)	Lead wire diameter
33	0.18mm(AWG 33)
30	0.25mm(AWG 30)
24	0.51mm(AWG 24)
21	0.72mm(AWG 21)
18	1.02mm(AWG 18)
16	1.27mm(AWG 16)
14	1.63mm(AWG 14)
XX	Others
Code(13)	Sensor Immersion Length(L)
L0100	100mm
L0150	150mm
L0200	200mm
L0250	250mm
L0300	300mm
L0350	350mm
L0400	400mm
L0450	450mm
L0500	500mm
L0550	550mm
L0600	600mm
L0700	700mm
L0800	800mm
L0900	900mm
L1000	1000mm
XXXXX	Others
Code(14)	Tolerance Grade
A0	ANSI Grade (STD)
A1	AFTM Grade (STD)
A2	IEC Grade(STD)
A3	ANSI Grade (SP)

Please consult factory for full specification/ Data sheet.

Code(15)	Calibrate certifications		
N	Not apply		
T1	Test Report by Manufacturer		
Code(16)	Accessory Options		
0	Not apply	2	Weld Pad
1	Thermowell		
X	Others		
Sample ordering code : Thermocouple;			
TE021KS2GU33B36AM34L0300A0TI			

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